

What is claimed is:

1. A drive device having an accommodating portion for accommodating therein a magnetic disk cartridge, comprising:

5 a thermoplastic resin cam having an annular groove, the annular groove being constituted by a going section which extends substantially in the direction of the ejection and introduction of the magnetic disk cartridge, an engaging section whose starting position is positioned
10 adjacent to the end position of the going section, and a returning section whose starting position is positioned adjacent to the end position of the engaging section and whose end position is positioned adjacent to the starting position of the going section;

15 a latching member having a latching portion to be engaged with a notch of the magnetic disk cartridge, and a driving shaft which slides within the sliding groove; and

a resilient member for urging the latching member in the direction ejecting the magnetic disk cartridge,

20 wherein the engaging section comprises an engaging corner for engaging the driving shaft and an disengaging corner positioned adjacent the engaging corner, and

wherein the disengaging corner is selected to satisfy the relationship $d \leq r \leq 3d$, where "r" is a curvature of the
25 disengaging corner and "d" is a radius of the driving shaft.

2. A drive device according to claim 1, wherein the

engaging corner is formed to satisfy the relationship
1.3d ≤ r ≤ 2.6d.

3. A drive device according to claim 1, wherein the
curvature "r'" of a turning corner at a joint between the
5 engaging section and the returning section is formed to
satisfy the relationship $r' \geq r$.

4. A drive device according to claim 1, wherein metal
plates are respectively placed on the face of the engaging
section containing the start position of the engaging
10 corner, and on the face of the engaging section containing
the end position of the engaging corner and the start
position of the disengaging corner.

5. A drive device according to claim 1, wherein a
distance "f" in the engaging section from the face
15 containing the starting position of the engaging corner to
the starting position of the disengaging corner is selected
to satisfy the relationship $d \leq f \leq 3d$.

6. A drive device according to claim 5, wherein the
distance "f" is selected to satisfy the relationship
20 $1.5d \leq f \leq 2.5d$.